



# SOLVAY MINERALS

## Environmental Memo

TO: Jim Metziner  
FROM: Dolly A. Potter  
DATE: January 24, 1997  
RE: Additional Information Needed for AQD Permit

Following is a list of additional information I need for the AQD Permit:

### 1. Mine Air Heat

- Location of Stack
- Stack Height
- Elevation of Top of Stack
- Inside Diameter of Stack
- Temperature of Stack Exhaust
- Velocity of Stack Exhaust
- Air flow of Stack Exhaust (both ACFM and DSCFM)
- Firing Rate (Btu/hr)
- Hourly Fuel Consumption (scf/hr)
- Steam Production (lb/hr)
- Stack Emissions (both NO<sub>x</sub> and CO) (I believe BACT is 0.05 lb NO<sub>x</sub>/MMBtu on boilers)


DSCFM      ACFM  
55,000      153,000 - 270°F  
110,000      306,000 - 270°F

### 2. CA-1&2 and CA-3

- New air flows (both ACFM and DSCFM)

The following table depicts the calciner airflow, both permitted and latest test results:

Unit	Permit (dscfm)	Tested (Nov, 1996) (dscfm)
CA-1&2	100,000	160,367
CA-3	54,507	72,657

  
Dolly A. Potter

cc: DSL, WES

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